

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)
13414 (CI1089)

Application Number
09/538,209

Applicant(s)
A. Peter Blicher et al.

Filing Date
March 30, 2000

Group Art Unit
Unassigned

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Page, Etc.)

P.N. Belhumeur et al., "What Is the Set of Images of an Object under All Possible Illumination Conditions?", International Journal of Computer Vision, 1998, pp. 1-16

P.N. Belhumeur et al., "The Bas-Relief Ambiguity", In the Proceedings of CVPR97

P.N. Belhumeur et al., "Comparing Images Under Variable Illumination", To appear in the Proceedings of CVPR98

R.A. Brooks, "Symbolic Reasoning Among 3-D Models and 2-D Images", Artificial Intelligence 17, 1981, pp. 285-345

R.A. Brooks, "Model-Based Three-Dimensional Interpretations of Two-Dimensional Images", IEEE Transactions on Pattern Analysis and Machine Intelligence, 1983, pp. 140-150

R.A. Brooks et al., "The AGRONYM Model-Based Vision System", Proceedings of the Sixth International Joint Conference on Artificial Intelligence, 1979, pp. 105-113

P. Dupuis et al., "Direct Method For Reconstructing Shape From Shading", IEEE 1992, pp. 453-458

P. Dupuis et al., "Direct Method for Reconstructing Shape From Shading", DARPA Image Understand, 1992, pp. 563-571

J. Oliensis et al., "Direct method for reconstructing shape from shading", SPIE, 1991, pp. 116-128

A.S. Georgiades et al., "Illumination Cones for Recognition Under Variable Lighting: Faces", To appear in the Proceedings of CVPR98

W.E.L. Grimson et al., "On the Verification of Hypothesized Matches in Model-Based Recognition", IEEE Transactions on Pattern Analysis and Machine Intelligence, 1991, pp. 1201-1213

B.K.P. Horn, "Understanding Image Intensities", Artificial Intelligence 8, 1977, pp. 201-231

EXAMINER

Chiffon. V

DATE CONSIDERED

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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Page Number, etc.)

B.K.P. Horn et al., "Calculating the reflectance map", Applied Optics, 1979, pp. 1770-1779

B.K.P. Horn, "Hill-Shading and the Reflectance Map", Proceedings of the IEEE, Vol. 69, 1981, pp. 14-47

B.K.P. Horn, "Hill-Shading and the Reflectance Map", Artificial Intelligence Laboratory, pp. 79-120

D.P. Huttenlocher et al., "Object Recognition Using Alignment", DARPA Image Understanding Workshop, 1987, pp. 370-379

D.P. Huttenlocher et al., "Object Recognition Using Alignment", IEEE, 1987, pp. 102-111

D.P. Huttenlocher et al., "Recognizing Solid Objects by Alignment with an Image", International Journal of Computer Vision, 1990, pp. 195-212

D.P. Huttenlocher et al., "Recognizing Solid Objects by Alignment", DARPA Image Understanding Workshop, 1998, pp. 1114-1122

M. Kirby et al., "Application of the Karhunen-Loeve Procedure for the Characterization of Human Faces", IEEE, 1990, pp. 103-108

J.J. Koenderink et al., "Photometric invariants related to solid shape", OPTICA ACTA, 1980, pp. 981-996

D.G. Lowe, "Fitting Parameterized Three-Dimensional Models to Images", IEEE Transactions on Pattern Analysis and Machine Intelligence, 1991, pp. 441-450

D.G. Lowe, "Visual Recognition From Spatial Correspondence And Perceptual Organization", pp. 953-959

D.G. Lowe, "Three-Dimensional Object Recognition from Single Two-Dimensional Images", 1987, pp. 355-395

EXAMINER

Chaffin

DATE CONSIDERED

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J. Olienis et al., "A Global Algorithm for Shape from Shading", IEEE, 1993, pp. 692-701

J. Olienis et al., "Provably Convergent Algorithms for Shape from Shading", Image Understanding Workshop, 1993, pp. 1121-1130

J. Olienis, "Shape from Shading as a Partially Well-Constrained Problem", CVGIP 1991, pp. 163-183

J. Olienis, "Shape from Shading as a Partially Well-Constrained Problem", IEEE, 1991, pp. 559-564

J. Olienis, "New Results In Shape From Shading", Image Understanding Workshop, 1990, pp. 145-153

J. Olienis, "Uniqueness in Shape from Shading", International Journal of Computer Vision, 1991, pp. 75-104

J. Olienis, "Existence and Uniqueness in Shape from Shading", IEEE, 1990, pp. 341-345

P.S. Penev, "Local Feature Analysis: A general statistical theory for object representation", 1996, pp. 1-27

L.G. Roberts, "Machine Perception of Three-Dimensional Solids", Massachusetts Institute of Technology Lincoln Laboratory, Technical Report No. 315, 1965, pp. 1-40

A. Shashua, "Geometry and Photometry in 3D Visual Recognition", Massachusetts Institute of Technology, 1992, pp. 1-165

L. Sirovich et al., "Low-dimensional procedure for the characterization of human faces", Optical Society of America, 1987, pp. 519-524

M.A. Turk et al., "Face Recognition Using Eigenfaces", IEEE, 1991, pp. 586-591

EXAMINER

Chiff. Vo

DATE CONSIDERED

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S. Ullman et al., "Recognition by Linear Combinations of Models", IEEE, 1991, pp. 992-1006

T. Vetter, "Synthesis of novel faces from a single face image", Max-Planck-Institute Technical Report No. 26, 1996, pp. 1-13

T. Vetter et al., "Estimating Coloured 3D Face Models from Single Images: An Example Based Approach", European Conference on Computer Vision Vol. 2, pp. 499-512

P. Viola et al., "Alignment by Maximization of Mutual Information", To appear at the International Conference on Computer Vision, 1995

L. Wiskott et al., "Face Recognition by Elastic Bunch Graph Matching", IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 19, 1997, pp. 775-779

P.H. Winston, "Obtaining Shape From Shading Information", The Psychology of Computer Vision, pp. 115-155

B.K.P. Horn et al., "Calculating The Reflectance Map", Artificial Intelligence Laboratory, pp. 115-126

M. Turk et al., "Eigenfaces for Recognition", Journal of Cognitive Neuroscience, Volume 3, Number 1, 1991, pp. 71-86

C.F. Olsen, "Fast Object Recognition by Selectively Examining Hypotheses", Dissertation submitted to University of California, 1994, pp. 1-136

S. Ullman, "High-level Vision Object Recognition and Visual Cognition", Approaches to Object Recognition, pp. 31-213

T. Alter et al., "Uncertainty Propagation in Model-Based Recognition", International Journal of Computer Vision, 1998, pp. 127-159

Y. Hel-Or et al., "Pose Estimation by Fusing Noisy Data of Different Dimensions", IEEE, 1995, pp. 195-201

EXAMINER

Cliff. V

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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

APR 26 2000

D.P. Huttenlocher, "Three-Dimensional Recognition of Solid Objects from a Two-Dimensional Image", MIT Artificial Laboratory, Technical Report 1045, 1988, pp. 1-161

R. Zurmühl, "Praktische Mathematik", Springer-Verlag, 1965, pp. 60-65

M.A. Fischler et al., "Random Sample Consensus: A Paradigm for Model Fitting with Application to Image Analysis and Automated Cartography", SRI International 1981, pp. 381-395

D.P. Huttenlocher et al., "Recognizing Solid Objects by Alignment with an Image", International Journal of Computer Vision, 1990, pp. 195-212

A.R. Brooks, "Symbolic Reasoning Among 3-D Models and 2-D Images", Dissertation 1981, pp. 1-172

B.K.P. Horn, "Shape From Shading; A Method for Obtaining the Shape of a Smooth Opaque Object from one View", Massachusetts Institute of Technology, 1970, pp. 1-197

EXAMINER

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6/14/03

P098/REV04

